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Title of Invention

An oral composition

Claim

An oral composition consisting of components that do not release calcium ions, characterized in that it is formed by mixing one or more linear or cyclic water soluble polyphosphates represented by the following formula:



wherein M represents Na or K, and each of m and n represents an integer of 3 or greater,

into an aqueous solution of pyrophosphates at a weight ratio between 20% by weight and 100% by weight.

[Example 1]

Toothpaste

Precipitated silica	30.0%
Propylene glycol	3.0
Sorbitol	20.0
Sodium carboxymethylcellulose	1.4
Sodium saccharin	0.1
Stevioside	0.1
Potassium glycyrrhizinate	1.0
Sodium lauryl ^{C-10} sulfate	0.5
Sodium N-lauroyl ^{C-10} glutamate	0.5
Tranexamic acid	0.05
α -alumina anhydride	3.0
Colloidal silica	3.0
Methylparaben	0.05
Aroma chemical	1.0
Potassium pyrophosphate	5.0
Sodium tripolyphosphate	3.0
Water	Balance
Total	100.0%

[Example 2]

Toothpaste

Reformed aluminum hydroxide	18.0%
Propylene glycol	2.0
Sorbit	20.0
Sodium hydroxyethylcellulose	1.4
Sodium saccharin	0.1
Sodium lauryl sulfate	0.5
Sodium lauryl ⁶⁻¹⁰ POE sulfate	0.5
Colloidal silica	3.0
Sodium monofluorophosphate	0.76
Chlorhexidine gluconate	0.1
Methylparaben	0.05
Aroma chemical	1.0
Sodium pyrophosphate	3.0
Sodium tetrapolyphosphate	1.0
Dipotassium hydrogen phosphate	0.5
Water	<u>Balance</u>
Total	100.0%

[Example 3]

Toothpaste

Silicic anhydride	30.0%
Titanium oxide	0.5
Sodium carboxymethylcellulose	1.1
Carrageenan	0.2
Sodium lauryl sulfate	1.4
Sorbit solution	20.0
Glycerin	20.0
Propylene glycol	3.0
Methylparaben	0.05
Sodium saccharin	0.15
Aroma chemical	1.0
Sodium pyrophosphate	4.0
Sodium hexametaphosphate	1.2
<u>Water</u>	<u>Balance</u>
Total	100.0%

Ex 3

[Example 4]

Liquid toothpaste

Silicic anhydride	15.0%
60% sorbit solution	25.0
Glycerin	25.0
Propylene glycol	5.0
Xanthan gum	0.2
Sodium N-lauroyl glutamate	0.5
Sodium lauryl sulfate	0.5
Carrageenan	0.5
Alginic acid	1.0
Sodium fluoride	0.22
Dextranase (1,000,000 U/g)	0.5
Sodium saccharin	0.1
Aroma chemical	1.0
Sodium pyrophosphate	3.0
Sodium ultrapolyphosphate	1.2
Water	<u>Balance</u>
Total	100.0%

[Example 5]

Dental cream

Sorbitol	20.0%
Propylene glycol	2.5
Sodium lauryl sulfate	1.0
Sodium carboxymethylcellulose	1.0
Sodium saccharin	0.1
Sodium parahydroxybenzoate	0.1
Aroma chemical	0.8
Sodium pyrophosphate	3.0
Sodium tripolyphosphate	2.0
Sodium dihydrogen phosphate	0.5
<u>Water</u>	<u>Balance</u>
Total	100.0%

[Example 6]

Dental cream

Sorbitol	20.0%
Propylene glycol	3.0
Sodium lauryl sulfate	1.0
Sodium carboxymethylcellulose	2.5
Sodium saccharin	0.1
Ethyl parahydroxybenzoate	0.1
Aroma chemical	0.8
Sodium pyrophosphate	4.0
Sodium ultrapolyphosphate	0.8
<u>Water</u>	<u>Balance</u>
Total	100.0%

[Example 7]

Mouth washes

Ethanol	10.0%
Sodium saccharin	0.05
Sodium monofluorophosphate	0.05
Chlorhexidine gluconate	0.01
Pigment	0.01
Sodium benzoate	0.05
Antioxidant	0.01
Aroma chemical	0.3
Sodium lauryl sulfate	0.3
Sodium POE myristyl sulfate	0.3
Potassium pyrophosphate	2.5
Sodium tetrapolyphosphate	2.0
Water	<u>Balance</u>
Total	100.0%

[Example 8]

Gargle tablet

Sodium bicarbonate	55.0%
Polyethylene glycol 400	3.0
Aroma chemical	1.0
Oleic acid	0.1
Chlorhexidine hydrochloride	0.05
Citric acid	17.0
Sodium pyrophosphate	6.5
Sodium hexametaphosphate	6.5
Water	<u>Balance</u>
Total	100.0%